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Customer N .: 31561 Application No.: 09/837,465 Docket No.: 14536-US-PA

IN THE CLAIMS

Please amend the claims as follows.

- 1. (currently amended) A process for of manufacturing a printed-on-display (POD) antenna of a wireless mobile personal terminal having a crystal liquid display (LCD), said process comprising the steps of: a) preparing a conductive transparent material; b) coating a uniform layer of said conductive transparent material on a glass substrate of said LCD; e) coating a photoresist layer on said conductive transparent layer; d) coating a mask having an antenna pattern on said photoresist layer; e) exposing said mask by ultraviolet (UV) rays; d) immersing said glass substrate in a developing solution for developing the photoresist layer for removing said yet cured portions of photoresist layer to form a patterned phoroesist layer; g) etching said conductive transparent layer on said glass substrate to form a patterned conductive transparent layer which serves as said POD antenna; and h) removing said patterned eleming said conductive transparent layer of said glass substrate.
- 2. (original) The process of claim 1, wherein said conductive transparent material is an indium oxide doped with tin oxide (ITO).
- 3. (original) The process of claim 1, wherein said conductive transparent material is a tin dioxide (SnO2).
- 4. (currently amended) The process of claim 2 or 3, wherein said step b) of coating a uniform layer of said conductive transparent material on said glass substrate comprises the sub-steps of b1) ionizing an introduced argon (Ar) by sputtering in a

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vacuum system, b2) generating argon ions (Ar+) and electrons by applying a plasma wherein said Ar+ are impinged on said conductive transparent material for causing said components of said conductive transparent material to decompose and adhere on said glass substrate by sputtering, and b3) forming said uniform layer of said conductive transparent material on said glass substrate.

- 5. (currently amended) The process of claim 2 or 3, wherein said step b) of coating a uniform layer of said conductive transparent material on said glass substrate further comprises the sub-steps of: b4) decomposing said components of said conductive transparent material and adhering said same on said glass substrate by sputtering, and b5) forming said uniform layer of said conductive transparent material on said glass substrate.
- 6. (currently amended) The process of claim 1, wherein said etching of said conductive transparent layer in said step g) is performed on said conductive transparent layer by a plasma.
- 7. (currently amended) The process of claim 1, wherein said etching of said conductive transparent layer in said step g) is performed on said conductive transparent layer by a strong acid.
- 8. (original) The process of claim 7, wherein said strong acid is formed of a solution composed of water, hydrochloric acid, and nitric acid having a predetermined ratio.
- (currently amended) The process of claim 1, wherein said POD antenna is printed on said formed on a surface of said glass substrate on said outer surface of said LCD.

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10. (currently amended) The process of claim 1, wherein said POD antenna is electrically coupled to a RF radio frequency (RF) circuit of said wireless device personal terminal.

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